

START HERE

IMPORTANT! TITLED "REMOVING THE OLD DOOR/PREPARING THE OPENING". IF THE INSERT SHEET INSTRUCTIONS ARE NOT INCLUDED, CONTACT WAYNE-DALTON CORP. FOR A FREE COPY.

If removing an existing door, carefully follow the directions given on the insert sheet instruction in the portion titled "Removing the Old Door".

⚠WARNING! REMOVAL OF AN EXISTING DOOR CAN BE DANGEROUS. FOLLOW INSERT SHEET INSTRUCTIONS CAREFULLY, OTHERWISE SEVERE OR FATAL INJURY COULD RESULT.

Begin the installation of the door by checking the opening. It must be the same size as the door. Vertical jamba must be plumb and the header level. Side clearance, from edge of door to wall, must be minimum of 3-1/2" (89 mm) on each side. Follow the steps below. The steps correspond to the illustrations on the garage door layout. **IMPORTANT! Stainless steel or PT2000 Coated lag screws MUST be used when installing center bearing brackets, end bearing brackets, jamb brackets, operator mounting/support brackets and disconnect brackets on treated lumber (preservative-treated). Stainless steel lag screws are NOT necessary when installing products on un-treated lumber.**

NOTE: It is recommended that 5/16" x 1-5/8" lag screws be pilot drilled using a 3/16" drill bit, and 1/4" x 2" lag screws and 1/4" x 1-1/2" lag screws be pilot drilled using a 1/8" drill bit, prior to fastening.

For proper opening preparation refer to the portion of the insert sheet instructions titled "Preparing the Opening". **IMPORTANT! It is recommended that doors 12' 0" wide and over be installed by two person, to avoid possible injury.**

1 **Q.I. flagangle:** Put the lower Twistlock tab on the flagangle into the Twistlock hole in the vertical track. Give the flagangle 1/4 turn to lock in place. Repeat for other side.

Fully adjustable flagangle: Secure the vertical to the lower slot in the flagangle using (1) stud plate and (2) 1/4"-20 flange hex nuts. Repeat for other side.

2 Using a hammer, tap the horizontal angle towards the curved end of the track until the hole in track and angle are aligned. Set tracks aside.

3 Measure the length of the vertical tracks. Using the Quick Install Jamb Bracket Schedule (shown on reverse side), determine the placement of the jamb brackets for your door height. Align the Twistlock wings on each jamb bracket with the correct butterfly hole in the track and turn the jamb bracket perpendicular to the track so the mounting flange is toward the back leg of the track. Set tracks aside.

4 **NOTE:** The strutting schedule below is for reference only, all struts are pre-installed at the factory.

| STRUTTING SCHEDULE | | | | |
|--------------------|----------|--------------------|---------------------|-----------------------|
| DOOR WIDTH | QUANTITY | TOP OF TOP SECTION | TOP OF LOCK SECTION | TOP OF BOTTOM SECTION |
| 6'0" TO 10'11" | 0 | N/A | N/A | N/A |
| 11'0" TO 14'2" | 1 | X | N/A | N/A |
| 14'3" TO 16'2" | 2 | X | N/A | X |
| 16'3" TO 18'0" | 3 | X | X | X |

5 TorqueMaster™ drums are marked right and left. Make sure you place the cable from the right hand drum on the right hand milford pin, and left hand drum on the left hand milford pin. Uncoil the counterbalance cables and slip the loop at the ends of the cables over the milford pins on the bottom section. Insert a roller in the bottom bracket of the bottom section and insert another roller at #1 end hinge at the top of the bottom section, Fig. 5 and 8A. Repeat for right side.

NOTE: Bottom section can be identified by a #1 end hinge, the factory attached bottom astragal, or by the bottom bracket warning labels on each endstie.

NOTE: Verify that astragal does not protrude more than 1/2" past ends of the bottom section. If excess needs to be trimmed off, be careful not to stretch astragal, or it may end up shorter than section width.

IMPORTANT! Right and left hand is always determined from inside the building looking out.

Before installing the bottom section, measure and cut vinyl jamb weather-stripping (may not be included) for entire garage door opening. Temporarily nail the weather-stripping to the door jambs and header approximately 12" to 18" apart. Center the bottom section in the door opening. Level it using wooden shims under the bottom astragal, if necessary.

7 Position the left hand vertical track over the rollers of the bottom section.

NOTE: Make sure the counterbalance cable is located between the rollers and the door jamb.

Secure jamb brackets and flagangles to the jamb using 5/16" x 1-5/8" lag screws. Install the right hand vertical track the same way. Hang cables over flagangles.

IMPORTANT! The tops of the vertical tracks must be level from side to side. If the bottom section was shimmed to level it, then the vertical track on the shimmed side, must be raised the height of the shim.

8 **NOTE:** The lock section can be identified by a #3 end hinge for 7' high 3 section doors, and by the yellow and black warning label attached to the right side of the section.

Insert rollers into both end stiles of the lock section, Fig. 8A. With assistance lift section and place rollers over the tops of the vertical tracks. Install by guiding rollers into the vertical track on both sides and gently lowering the section onto the bottom section. Vertically align the mark near the center (on back) of the door, or vertically align the center stiles on the face (on front) of the door. Rotate the hinge leaf upward and fasten the hinge to the above section with (2) 1/4"-14 x 5/8" self tapping screws, Fig. 8A.

IMPORTANT! For larger size doors, double end hinges are already pre-installed to the section(s).

Double end hinges are installed by rotating both hinge leaves upward and secure the hinges to the above section with (6) 1/4"-14 x 5/8" self tapping screws, Fig. 8B.

The center hinges are installed by rotating the hinge leaf upward and secure the hinge to the above section with (3) 1/4"-14 x 5/8" self tapping screws, Fig. 8C.

IMPORTANT! Push and hold both hinge leaves up against the section while securing with 1/4"-14x 5/8" self tapping screws.

Do not install the top section at this time.

9 **NOTE:** 16' - 18' Doors will use A-shaped bracket. The rest of the doors will use the L-shaped brackets

L-shaped bracket: To install the L-shaped top brackets, align the top holes in the top bracket base with the second set of holes in the endcap as shown in Fig. 9. Fasten using (4) 1/4"-14 x 5/8" self tapping screws. Secure the top slide to the bracket using (2) 1/4"-20 x 5/8" carriage bolts and (2) 1/4"-20 flanged hex nuts. Repeat for other side.

A-frame bracket: To install the A-frame top brackets, place the top of bracket flush with bottom of the strut, even with the edge of the endcap. Fasten using (4) 1/4"-14 x 5/8" self tapping screws. Secure the top slide to the bracket using (1) 1/4"-20 x 5/8" carriage bolt and (1) 1/4"-20 flanged hex nut. Repeat for other side.

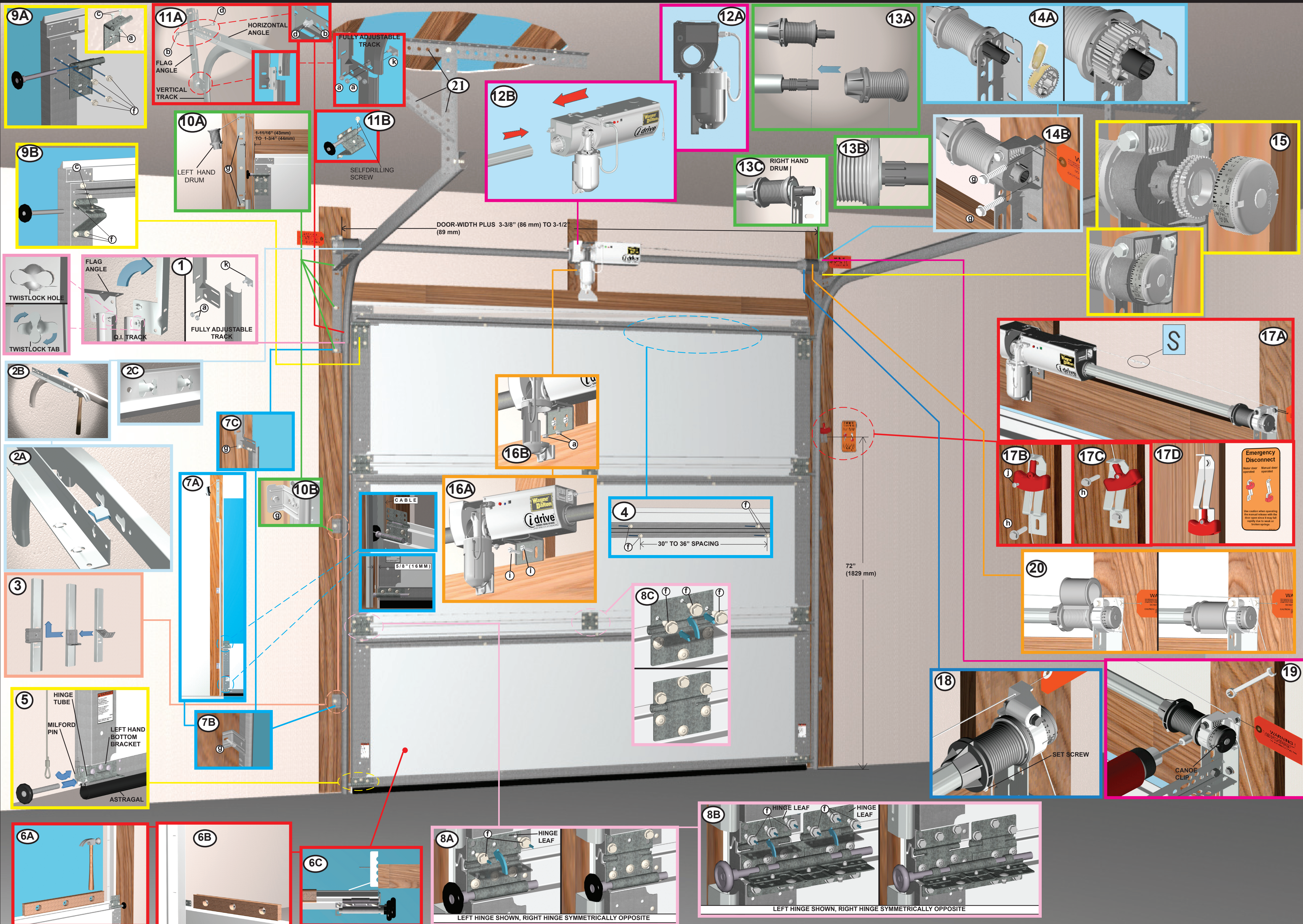
10 Place top section in the door opening and secure it temporarily by driving a nail into the header near the center of the door and bending it over the section. Insert rollers into top slides. Now fasten the hinges to the top section, Fig. 8A thru 8C. When installing a door with a TorqueMaster™ counterbalance system, vertical track alignment is critical. Position flagangle between 1-11/16" (43 mm) to 1-3/4" (44 mm) from the edge of the door. Flagangles must be parallel to the door section ends. Now complete the vertical track installation on both sides by securing the center jamb brackets and tightening the other 5/16" x 1-5/8" lag screws, Fig. 10.

IMPORTANT! The dimension between the flagangles must be door-width plus 3-3/8" (86mm) to 3-1/2" (89 mm) for smooth, safe door operation.

Wayne Dalton

5500/9700 Estate - Standard Lift - TorqueMaster II™

Installation Instructions Layout



Jamb Bracket Schedule

| BMW QUICK INSTALL TRACK - STANDARD LIFT | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1ST SET | | 2ND SET | | 3RD SET | |
| DOOR HEIGHT | JAMB BRACKET POSITION | JAMB BRACKET POSITION | JAMB BRACKET POSITION | JAMB BRACKET POSITION | JAMB BRACKET POSITION |
| 7' 0" - 7' 5" TRACK (1930mm) | QUB-3 | MIDDLE | QUB-5 | BOTTOM | NOT APPLICABLE |

NOTE: Jamb brackets are stamped for identification.

Required Tools

- (1) 7/16" Hex Head Driver
- (1) Step Ladder
- (1) Level (2' Minimum Length)
- (1) Pliers
- Gloves
- (1) Electric Drill With Clutch
- (1) Hammer
- (1) Tape Measure
- Sockets (7/16", 1/2", 9/16")
- (1) Socket Wrench
- (1) 7/16" Wrench
- (2) Locking Pliers
- (1) Screw Driver (Phillips Blade)
- (1) Screw Driver (Standard Blade)
- Safety Glasses
- Saw Horses For Supporting Sections During Assemblies

Hardware List:

- (A) 1/4"-20 Flanged Hex Nut #100279
- (C) 1/4"-20 x 5/8" Carriage Bolt #306657
- (E) 1/4"-20 x 11/16" Self Drilling Screw #300723
- (G) 5/16" x 1-5/8" Hex Head Lag Screw #314937
- (I) 1/4" x 2" Slotted Hex Head Lag Screw #315760
- (K) Stud Plate #266102
- (B) 3/8"-16 Hex Nut #100313
- (D) 3/8"-16 x 3/4" Truss Head Bolt #154531
- (F) 1/4"-14 x 5/8" Self Tapping Screw #236565
- (H) 1/4" x 1-1/2" Slotted Hex Head Lag Screw #315759
- (J) #6-20 x 1/2" Plastifast (Disconnect Handle) #296940

CONTINUED INSTALLATION INSTRUCTIONS

⚠ WARNING!
PRIOR TO WINDING OR MAKING ADJUSTMENTS TO THE SPRINGS, ENSURE YOU'RE WINDING IN THE PROPER DIRECTION AS STATED IN THE INSTALLATION INSTRUCTIONS. OTHERWISE THE SPRING FITTINGS MAY RELEASE FROM SPRING IF NOT WOUND IN THE PROPER DIRECTION AND COULD RESULT IN SEVERE OR FATAL INJURY.

IMPORTANT! DO NOT USE IMPACT GUN TO WIND SPRING(S)
Beginning with the right hand side. Press and hold in the canoe clip. Ensure the cable is in the first groove of the drum. Using an electric drill (high torque gear reduced to 1300 RPM preferred) with a 7/16" socket, carefully rotate right hand winding bolt clockwise, until counter shows 2-3 turns. This will keep the counterbalance cable taut while adjusting the left hand side counterbalance cable. Repeat step 18 and 19 for left side.

NOTE: Single spring applications require no spring winding on the left hand side. Ensure counterbalance cable tension is equal for both sides prior to fully winding spring(s) to appropriately 15 1/2 turns for solid sections, or 15 turns for glazed top sections. Carefully rotate the winding bolt head clockwise until the counter shows the correct number of turns for your door. Repeat for the opposite side on double spring TorqueMaster™ systems. If door raises off the floor remove 1/2 - 1 full turn from each spring before proceeding. After spring is wound, hold the lock nut (in back of end bracket) stationary with a 7/16" wrench while rotating the winding bolt clockwise until snug. Tightening of the lock nut prevents spring from unwinding. Repeat for opposite side if necessary.

IMPORTANT! Adjustments to the recommended number of turns may be required.
AFTER REAR SUPPORT ASSEMBLY IS COMPLETE, check door balance. If door raises off the floor under spring tension alone, then reduce turns until door will rest on floor. A "hot" door such as this can cause idrive™ operation problems.

20
Drum wraps are identified as right and left. To install, place the drum wrap over the cable drum and under the idrive™ disconnect cable (if installed). Align the outside flange over the outside edge of the cable drum and push the drum wrap down onto the cable drum.

21
Hold the door down to prevent it from rising unexpectedly in the event the spring(s) was overwound and carefully remove the locking pliers from the vertical tracks. Raise the door until the top section and half of the next section are in a horizontal position. Do not raise door any further since rear of horizontal track is not yet supported.

⚠ WARNING!
RAISING DOOR FURTHER CAN RESULT IN DOOR FALLING AND CAUSING SEVERE OR FATAL INJURY.
Now clamp a pair of locking pliers to the vertical tracks just above the second roller on one side, and just below the second roller on the other side. This will prevent the door from raising or lowering while installing the rear support. Using perforated angle, 2" lag screws and 5/16" bolts with nuts (not to be supplied), fabricate rear support for horizontal tracks. Attach horizontal tracks to the rear supports with 5/16"-18 x 1-1/4" hex bolts and nuts (may not be supplied). Horizontal tracks must be level and parallel with door.

⚠ WARNING!
KEEP HORIZONTAL TRACK PARALLEL AND WITHIN 3/4" OF DOOR EDGE AND, OTHERWISE DOOR COULD FALL, RESULTING IN SEVERE OR FATAL INJURY.

Permanently attach the vinyl weather stripping to both door jams and the header, Fig. 5C. Now, lift the door and check it's balance. Adjust, if door lifts by itself (also hard to pull down) or if door is difficult to lift (too easy to pull down). Anytime spring adjustments are made you must loosen the lock nuts to begin with and retighten both lock nuts afterwards. To adjust spring(s), only add or remove 1/4 turn on the counter reading at a time. Adjust both sides equally.

IMPORTANT! Do not add or remove more than 1 spring turn from specified amount.
If the door still does not operate easily, lower the door into the closed position, UNWIND SPRING(S) TO ZERO, and recheck the following items:

- 1) Check the door for level.
 - 2) Check the TorqueMaster™ tube and flagangles for level and plumb.
 - 3) Check the distance between the flagangles - must be door width plus 3-3/8" to 3-1/2".
 - 4) Check the counterbalance cables for equal tension - loosen set screws and adjust if necessary.
 - 5) Rewind the spring(s).
 - 6) Make sure door isn't rubbing on jams.
- NOTE:** As a safety feature, the right hand end bracket on single spring applications, both right hand and left hand end brackets double springs applications, cannot be disassembled for service until the spring(s) is completely unwound and the counter cover reads zero.
- After door installation is completed, refer to the idrive™ owner's manual, starting at the **PRE-OPERATION INSTALLATION** section to complete the opener installation.

22
If there are stiles or lite frame dividers included with your door, install them per their instructions at this time.

ALTERNATE INSTALLATIONS
If you are not installing the idrive™ operator on your garage door, you must install the center bracket bushing assembly. Follow these instructions for a non-idrive™ operated garage doors. TorqueMaster™ springs come lubricated and pre-assembled inside the torque tube. To install, lay the torque tube on the floor in front of the door with the labeled end to the left. Slide the center bracket/bushing assembly onto the torque tube, from the right hand side, toward the center. Shake the TorqueMaster™ tube gently to extend the winding shafts out about 5" on both ends. Single spring TorqueMaster will only have the right hand spring. Slide center bracket bushing assembly from the right side to the center of the torque tube.
IMPORTANT! Right and left hand is always determined from inside the building looking out.

12B
When installing a DoorMaster™ operator replace the bushing with the drive gear (located in DoorMaster™ package).

16
To locate the center bracket, mark the header halfway between the flagangles and level the TorqueMaster tube. Fasten the metal bracket to the header using (2) 1/4" x 1-1/2" lag screws.

OPTIONAL ACCESSORY INSTALLATIONS

(OUTSIDE)
STEP PLATES: Raise the door to a comfortable working height and secure with locking pliers to the track. Locate the center stile on the bottom section of the door. Using the pre-punched holes at the bottom of the stile as a template, drill (2) 7/32" (6mm) dia. holes through the section. Using the previously drilled holes as a guide, enlarge the holes from outside the door to 7/16" (11mm) dia. and assemble the outside and inside step plates to the section using (2) #8 x 1-5/8" screws.
NOTE: Do not drill through or enlarge holes on the inside of the door.

(INSIDE)
DRILL THROUGH SECTION WITH A 7/16" (11mm) DIA. DRILL BIT
NO. 6 SCREW EYE
PEEL ROPE
INSIDE SIDE LOCK
Select desired side of door for lock placement. Locate the striker plates over the pre-punched holes in the vertical track on the selected side, nearest the center of the lock(second) section. Fasten the striker plate to the vertical track using (2) 1/4"-20 x 3/16" track bolts and flanged hex nuts. The side lock should be spaced in approximately 1/8" from the edge of the section. Ensure that the lock is square with the section and the lock bolt aligns with the striker plate. Secure the lock to the end stile with (4) 1/4"-20x11/16" self-drilling screws. **IMPORTANT! Side locks must be removed or made inoperative in the unlocked position if an operator is installed on the door.**

OPERATOR BRACKET
Locate the center of the top section's strut. The strut is factory attached with 1/4" - 14 x 5/8" self tapping screws. Remove, but retain, a few of these screws (approximately 4-6 from the center of the strut, allowing the operator bracket to slide between the section and the strut. Slide the operator bracket until it seats on the male part of the section. The operator bracket must be centered and positioned on the top section so it bridges the transition point of the section thickness. Attach the operator bracket using (8) 1/2" - 14 x 5/8" self tapping screws as shown. Re-attach the strut using (2) 1/4" - 20 x 11/16" self drilling screws through the operator bracket. Finish re-attaching the strut using the self tapping screws removed previously.

Wayne Dalton
Wayne-Dalton Corp.
P.O. Box 67
Mt. Hope, Ohio 44660

IMPORTANT SAFETY NOTICES

Read these instructions carefully before attempting installation. If in question about any of the procedures, do not perform the work. Instead, have a qualified door agency do the installation or repairs.

1. Wear protective gloves during installation to avoid possible cuts from sharp metal edges.
2. It is always recommended to wear eye protection when using tools, otherwise severe or fatal eye injury could result.
3. Avoid installing your new door on windy days. Door could fall during the installation causing severe or fatal injury.
4. If the door is to be electrically operated at any time, all pull ropes **MUST** be removed to prevent severe or fatal injury to children who may become entangled in the rope. Any locking mechanism **MUST** be removed or made inoperative in the unlocked position.
5. Operate door **ONLY** when properly adjusted and free of obstructions.
6. Should the door become hard to operate or completely inoperative, a qualified door agency should correct the problem to prevent damage to the door or serious personal injury.
7. **DO NOT PERMIT** children to play with the garage door or the electrical controls. Severe or fatal injury could result, should the child become entrapped between the door and the floor.
8. To prevent severe or fatal injury, avoid standing in the open doorway or walking through the doorway while the door is moving.
9. Door is constantly under **EXTREME SPRING TENSION**. To prevent possible severe or fatal injury, removal, installation, adjustments or repairs, **ESPECIALLY TO SPRING ASSEMBLIES, CENTER ANCHOR BRACKETS, BRACKET BOLTS, CABLE DRUMS, BOTTOM CORNER BRACKETS, SHEAVES, CABLES, ETC.,** should **ONLY** be performed by qualified door service people.
10. Check all bolted connections monthly during the lifetime of the door to prevent damage or severe/fatal injury caused by loose connections.
11. It is recommended that doors 12' 0" wide and over be installed by two person, to avoid possible injury.
12. Definition of key words used in this manual:

⚠ WARNING! — INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN SEVERE OR FATAL INJURY.
IMPORTANT! — Required step for safe and proper door operation.
NOTE: — Information assuring proper installation of the door.

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TYPICAL TROLLEY OPERATOR INSTALLATION
If you are installing an electric operator on your door, the following information is provided to ensure proper function of your door/operator installation. Figure below shows a typical means of connecting the operator arm to the operator stile located in the center of the top section.

INSTALLATION TIPS:

1. Follow the installation instructions supplied with your operator.
2. Reinforce top section prior to attaching operator.
3. Install trolley rail 1/2" to 1" (13 - 25 mm) above high arc of top section of the door.
4. Mount operator to ceiling so that 1" to 1-1/2" (25 - 38 mm) clearance is maintained between trolley rail and top section when door is fully open (trolley rail will slope down towards rear).
5. The operator bracket must be mounted to the operator muntin on the top section.
6. Attach operator rail securely to spring pad.
7. Attach operator to ceiling using perforated angle.
8. **IMPORTANT! ANGLE MUST BE ATTACHED TO FRAMING MEMBER(S)**

⚠ WARNING! OPERATOR MUST BE TESTED AT TIME OF INSTALLATION AND MONTHLY THERE AFTER, ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT ALL SAFETY FEATURES ARE FUNCTIONING CORRECTLY. FAILURE TO PERFORM THESE TESTS AND MAKE ANY NECESSARY ADJUSTMENTS/REPAIRS CAN RESULT IN SEVERE OR FATAL INJURY.

MAINTENANCE AND PAINTING INSTRUCTION FOR PRE-PAINTED STEEL DOORS

MAINTENANCE
While factory-applied finishes on steel garage doors are durable, it is desirable to clean them on a routine basis. Some discoloration of the finish may occur when a door has been exposed to dirt-laden atmosphere for a period of time. Slight chalking may also occur as a result of direct exposure to sunlight. Cleaning the door will generally restore the appearance of the finish. To maintain an aesthetically pleasing finish of the garage door, an annual washing of the door is recommended. A mild solution of detergent and water will aid in the removal of most dirt. The following solution mixture is recommended:
One cup of Tide™, or other common detergents, which contain less than 0.5% phosphate, dissolved into five gallons of warm water.
CAUTION: NEVER MIX CLEANSERS OR DETERGENTS WITH BLEACH.

SURFACE PREPARATION FOR PAINTING
Wax on the surface must be removed or paint peeling/flaking will result. To remove this wax, it will be necessary to lightly scuff the surface with a fine steel wool pad, saturated with soapy water. A final wipe and rinse should be done with clean water only, to remove any loose particles and any soapy film residue.
Surface scratches, which have not exposed the metal substrate, can be lightly buffed or sanded with 0000 steel wool or No. 400 sand paper to create a smoother surface. Care must be taken to not expose the substrate under the paint (see Note No. 2). Once the substrate is exposed, the likelihood for rusting is greatly increased. See the following paragraph if metal substrate is observed.
The exposed substrate must be treated to prevent rust from forming (see Note No. 2). Sand the exposed area lightly and paint with a high quality metal primer, specifically intended for galvanized surfaces, to protect the area from corrosion. Follow drying time on primer can label before applying topcoat.
The surface of the factory-applied finish, that is being painted, must not be too smooth, or the paint will not adhere to it (see Note No. 2). It is advisable to test in an inconspicuous area, to evaluate adhesion. If poor adhesion is observed, surface preparation for painting the factory-applied finish, must be repeated until desired results are achieved. Again, care must be taken to not expose the substrate under the paint.

PAINTING
NOTE: It is NOT recommend that you paint your door any dark color, this may lead to higher surface temperatures resulting in gaps between the stiles and rails of your door section(s).
After the surface has been properly prepared it must be allowed to dry thoroughly, then coated immediately with a premium quality latex house paint. Follow the paint label directions explicitly. Oil base, or solvent base paints are not recommended. Please note that if substrate is exposed and not properly primed, painting with latex paint may cause accelerated rusting of the steel in the exposed area.

DECOR LITES ACRYLIC GLAZING INSTRUCTIONS
NOTES:
1. Repainting of finish painted steel doors cannot be warranted, as this condition is totally beyond the door manufacturer's control.
2. If the finish painted steel door surface has a textured surface representing wood grain, stucco, etc., this step should not be attempted as danger of exposing substrate is greatly increased.
3. Consult a professional coatings contractor if in doubt about any of the above directions.
4. Follow directions explicitly on the paint container labels for proper applications of coatings and disposal of containers. Pay particular attention to acceptable weather and temperature conditions in which to paint.

CLEANING
1. Clean acrylic glazing with nonabrasive soap or detergent and plenty of water. Use your bare hands to feel and dislodge any caked on particles. A soft, grit-free cloth, sponge or chamois may be used to wipe the surface. Do not use hard or rough cloths that will scratch the acrylic glazing. Dry glazing with a clean damp chamois.
2. Kerosene may be used to remove grease and oil. When using kerosene for cleaning purposes, make sure that you are familiar with it's properties, using it only in a well ventilated area away from any sources of sparks and/or fire.
3. **DO NOT USE:** Window cleaning fluids, scouring compounds, gritty cloths, gasoline, or solvents such as alcohol, acetone, carbon tetrachloride, etc.

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Wayne Dalton
Wayne-Dalton Corp.
P.O. Box 67, Mt. Hope, Ohio 44660
www.wayne-dalton.com

5500/9700 ESTATE™ LIFETIME LIMITED WARRANTY

and conditions contained in this Lifetime Limited Warranty, Wayne-Dalton Corp. ("Manufacturer") warrants the sections of the door, which is described at the top of this page, for as long as you own the door against:

- (a) Peeling, cracking, or chalking of the original factory-applied coating on the door as a result of a defect in the original factory-applied coating or in the application of the original factory-applied coating, in cases where the door sections and the original factory-applied coating (a) have not been subjected to adverse atmospheric conditions or contaminants (such as salt water or other moisture environments) or the two have been subjected to such conditions in compliance with Manufacturer's recommendations; and (b) have been subjected to physical abrasion, impacted by a hard object, or have been punctured.
- (b) The door becoming impermeable due to rust-through of the steel skin from the core of the door section, caused by cracking, splitting, or other deterioration of the steel skin, or due to structural failure caused by separation or degradation of the foam insulation. The Manufacturer warrants the garage door hardware (except springs) and the tracks of the above-described door, for as long as you own the door, against defects in material and workmanship, subject to all the terms and conditions below.
- (c) The Manufacturer warrants those component parts of the door not covered by the preceding provisions of this Lifetime Limited Warranty against defects in material and workmanship for a period of **ONE (1) YEAR** from the date of installation.
- (d) The Manufacturer warrants the factory-applied finish and the factory attached stiles against fading and cosmetic changes from the time of installation for **TWO (2) YEARS**. The factory attached stiles are warranted against peeling, cracking, chalking, or delamination from the time of installation for **TWO (2) YEARS**. If the door is re-stained or re-painted, the **TWO (2) YEARS** warranty for the factory-applied finish is void. After a period of **TWENTY (20) YEARS** from time of installation, replacement of Lifetime Limited Warranty materials will be provided at 50 per cent of Manufacturer's published list price at time of claim, and you must pay this amount.
- (e) This Limited Warranty is extended only to the person who purchased the product and continues to own the premises (where the door is installed) as his/her primary residence ("Buyer"). This Limited Warranty does not apply to residences other than primary, or to commercial or industrial installations, or to installations on rental property (even when used by a tenant as a residence). This Limited Warranty is not transferable to any other person (even when the premises is sold), nor does it extend benefits to any other person. As a result this Limited Warranty does NOT apply to any person who purchases the product from someone other than an authorized Wayne-Dalton dealer or distributor.
- (f) The Manufacturer will not be responsible for any damage attributable to improper storage, improper installation, or any alteration of the door or its components, abuse, damage from corrosive fumes or substances, salt spray or saltwater air, fire, Acts of God, failure to properly maintain the door, or to attempt to use the door, its components or related products for other than its intended purpose and its customary usage. This Limited Warranty does not cover ordinary wear. This Limited Warranty will be voided if the original finish is painted over, unless Manufacturer's preparation and painting instructions are followed explicitly. This Limited Warranty will be voided if any holes are drilled into the door, other than those specified by the Manufacturer.

THIS LIMITED WARRANTY COVERS A CONSUMER PRODUCT AS DEFINED BY THE MAGNUSON-MOSS ACT. NO WARRANTIES, EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) WILL EXTEND BEYOND THE TIME PERIOD SET FORTH IN UNDERSCORED BOLD FACE TYPE IN THIS LIMITED WARRANTY ABOVE.

Some States do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Any claim under this Limited Warranty must be made in writing, within the applicable warranty period, to the dealer from which the product was purchased. Unless the dealer is no longer in business, a written claim to the Manufacturer will be the same as if no claim had been made at all.

At the Manufacturer's option, pursuant to the dealer having notified the Manufacturer of a warranty claim, a service representative may inspect the product on site, or Buyer may be required to return the product to the Manufacturer at Buyer's expense. Buyer agrees to cooperate with any representative of the Manufacturer and to give such representative full access to the product with the claimed defect and full access to the location of its installation.

If the Manufacturer determines that the claim is valid under the terms of this Limited Warranty, the Manufacturer will cause the defective product to be repaired or replaced. The decision about the manner in which the defect will be remedied will be at the discretion of the Manufacturer, subject to applicable law. THE REMEDY WILL COVER ONLY MATERIAL. THIS LIMITED WARRANTY DOES NOT COVER OTHER CHARGES, SUCH AS FIELD SERVICE LABOR FOR REMOVAL, INSTALLATION, PAINTING, SHIPPING, ETC.

Any repairs or replacements arranged by Manufacturer will be covered by (and subject to) the terms, conditions, limitations and exceptions of this Limited Warranty; provided, however, that the installation date for the repaired or replaced product will be deemed to be the date the original product was installed, and this Limited Warranty will expire at the same time as if there had been no defect. If a claim under this Limited Warranty is resolved in a manner other than described in the immediately preceding paragraph, then neither this Limited Warranty nor any other warranty from the Manufacturer will cover the repaired or replaced portion of the product.

THE REMEDIES FOR THE BUYER DESCRIBED IN THIS LIMITED WARRANTY ARE EXCLUSIVE and take the place of any other remedy. The liability of the Manufacturer, whether in contract or tort, under warranty, does not extend to consequential damages, including but not limited to damage or loss of other property or equipment, personal injury, loss of profits or revenues, business or service interruptions, cost of capital, cost of purchase or replacement of other goods, or claims of third parties for any of the foregoing.

Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

No employee, distributor, dealer, representative, or other person has the authority to modify any term or condition contained in this Limited Warranty or to grant any other warranty on behalf of or binding on the Manufacturer, and anyone's attempt to do so will be null and void. Buyer should be prepared to verify the date of installation to the satisfaction of the Manufacturer.

The rights and obligations of the Manufacturer and Buyer under this Limited Warranty will be governed by the laws of the State of Ohio, USA, to the extent permitted by law.

This Limited Warranty gives you specific legal rights and you may also have other rights, which may vary from State to State.
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5500/9700 Estate Standard Lift TorqueMaster™ - Single Spring and Double Spring Installation Instructions and Owners Manual

Wayne Dalton
www.wayne-dalton.com

Parts List

| Part | Description | Quantity |
|------|---|----------|
| (A1) | TOP BRACKET BASE | 1 |
| (A2) | TOP BRACKET SLIDE | 1 |
| (B) | ROLLER | 1 |
| (C) | VERTICAL TRACK | 1 |
| (D) | QUAD-3 JAMB BRACKET | 1 |
| (E) | QUAD-3 JAMB BRACKET | 1 |
| (F) | HORIZONTAL TRACK | 1 |
| (G) | R 15" O.D. FLAG ANGLE (RIGHT, 19-7/8") | 1 |
| (H) | R 15" O.D. FLAG ANGLE (LEFT, 19-7/8") | 1 |
| (I) | R 15" F.A.T. FLAG ANGLE (RIGHT) | 1 |
| (J) | R 15" F.A.T. FLAG ANGLE (LEFT) | 1 |
| (K) | LOOSE WINDING SHAFT (SINGLE SPRING) | 1 |
| (L) | COUNTER COVER ASM. (RH) | 1 |
| (M) | COUNTER COVER ASM. (LH) (DOUBLE SPRING) | 1 |
| (N) | END BRACKET (RH) | 1 |
| (O) | END BRACKET (LH) | 1 |
| (P) | LOOSE WINDING SHAFT (SINGLE SPRING) | 1 |
| (Q) | COUNTER GEAR | 1 |
| (R) | COUNTER COVER ASM. (RH) | 1 |
| (S) | DRIVE™ OPERATOR | 1 |
| (T) | LEFT DRUM WRAP | 1 |
| (U) | RIGHT DRUM WRAP | 1 |
| (V) | CENTER BRACKET ASM. (NON-DRIVE™ OPERATED) | 1 |

NOTE: SEE /DRIVE™ MAIN INSTALLATION AND OWNERS MANUAL FOR /DRIVE™ PARTS

NOTE: SINGLE SPRING TORQUEMASTER™ SHOWN IN ILLUSTRATION.

TorqueMaster™ with idrive™ Parts List

| Part | Description | Quantity |
|------|---|------------|
| (K) | TORQUEMASTER TUBE | 1 ASSEMBLY |
| (L) | CABLE / DRUM ASM. (PAIR) | # 280086 |
| (M) | END BRACKET (LH) | # 282937 |
| (N) | END BRACKET (RH) | # 282340 |
| (O) | LOOSE WINDING SHAFT (SINGLE SPRING) | # 280066 |
| (P) | COUNTER GEAR | # 284035 |
| (Q) | COUNTER COVER ASM. (RH) | # 287722 |
| (R) | COUNTER COVER ASM. (LH) (DOUBLE SPRING) | # 287721 |
| (S) | DRIVE™ OPERATOR | # 282355 |
| (T) | LEFT DRUM WRAP | # 300550 |
| (U) | RIGHT DRUM WRAP | # 300551 |
| (V) | CENTER BRACKET ASM. (NON-DRIVE™ OPERATED) | # 296246 |

NOTE: SEE /DRIVE™ MAIN INSTALLATION AND OWNERS MANUAL FOR /DRIVE™ PARTS

NOTE: SINGLE SPRING TORQUEMASTER™ SHOWN IN ILLUSTRATION.